

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099878.D
 Acq On : 27 Oct 2017 15:39
 Operator : SJ/JU
 Sample : I6112-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-MARION26KV-(2-3)

Manual Integrations
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 10/30/2017 6:16:27 PM

Quant Time: Oct 27 16:56:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	100308	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	417346	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	192142	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	322314	20.00	ng	0.00
75) Chrysene-d12	13.99	240	189023	20.00	ng	0.00
86) Perylene-d12	15.46	264	200459	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	596033	93.29	ng	0.00
7) Phenol-d6	6.44	99	725758	95.80	ng	0.00
23) Nitrobenzene-d5	7.36	82	431142	66.51	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	150564	85.99	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	872258	70.04	ng	0.00
78) Terphenyl-d14	12.92	244	620660	71.76	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	42301	5.086	ng	95
37) 2-Methylnaphthalene	8.79	142	29422	2.179	ng	95
49) Dimethylphthalate	9.56	163	390025	25.632	ng	100
70) Phenanthrene	11.36	178	100781	5.541	ng	98
74) Fluoranthene	12.55	202	138544	7.329	ng	98
77) Pyrene	12.78	202	137218	9.547	ng	98
80) Benzo(a)anthracene	13.97	228	71350	5.954	ng	96
82) Chrysene	14.02	228	79683	7.073	ng	96
85) Indeno(1,2,3-cd)pyrene	16.95	276	52715	5.097	ng	99
87) Benzo(b)fluoranthene	15.03	252	105009m	8.296	ng	
88) Benzo(k)fluoranthene	15.06	252	30903m	2.589	ng	
89) Benzo(a)pyrene	15.40	252	78124	6.871	ng	# 96
91) Benzo(a,h,i)perylene	17.40	276	55538	5.619	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

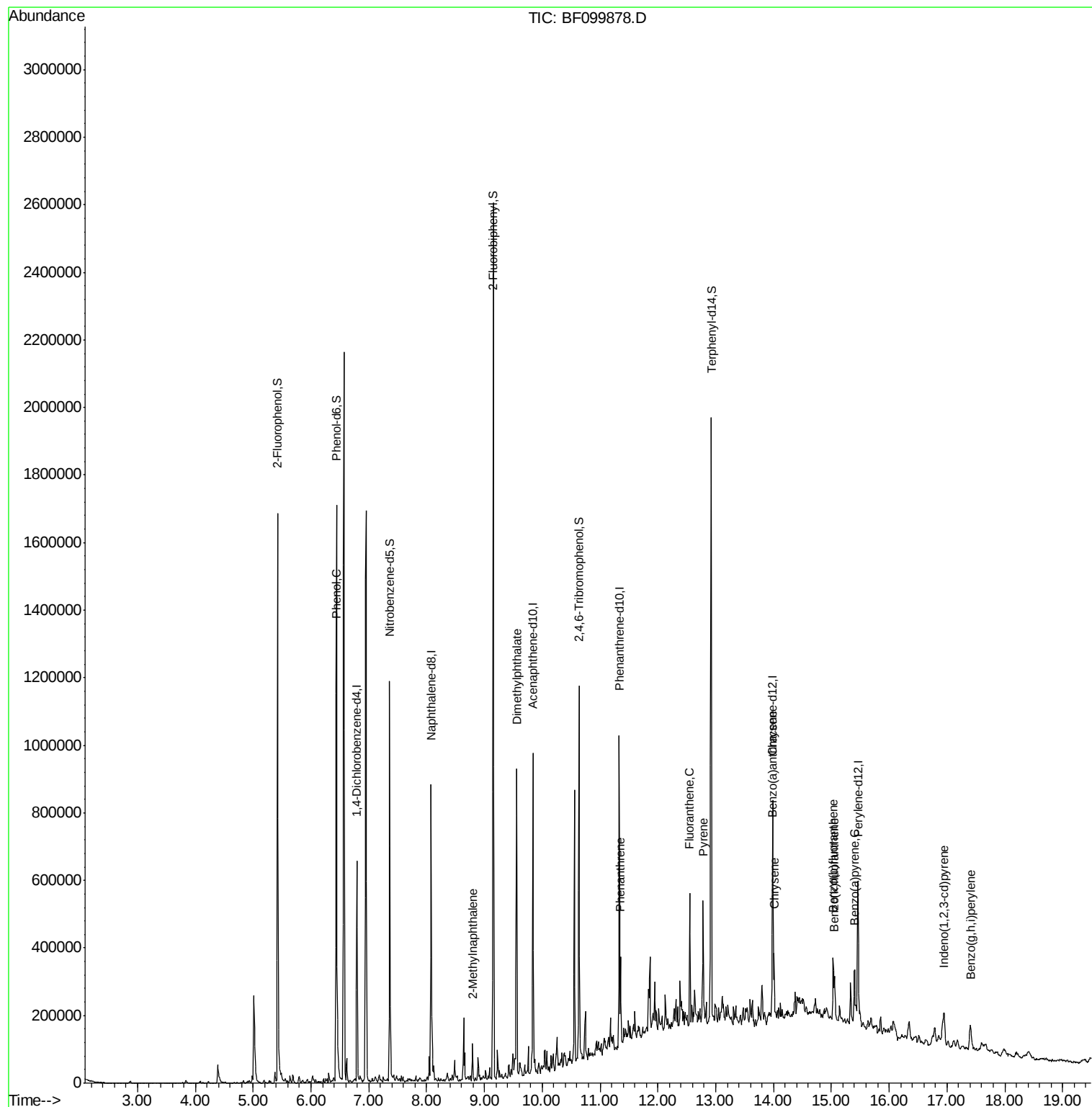
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
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ALS Vial : 5 Sample Multiplier: 1

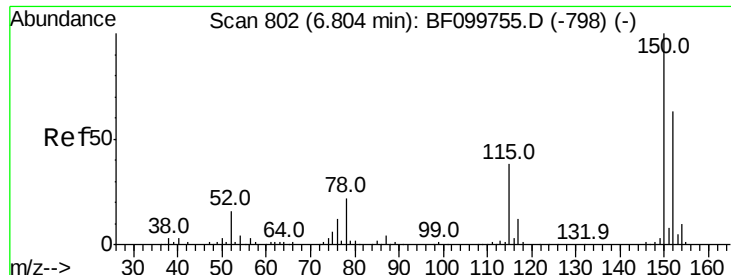
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
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#1

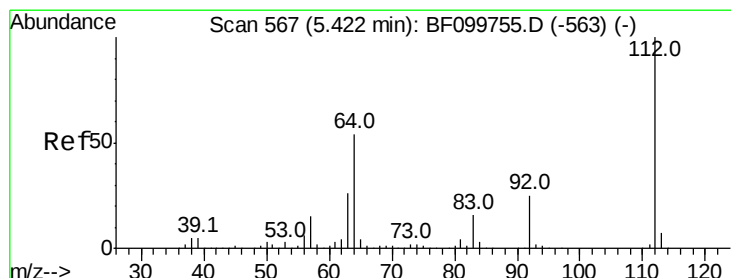
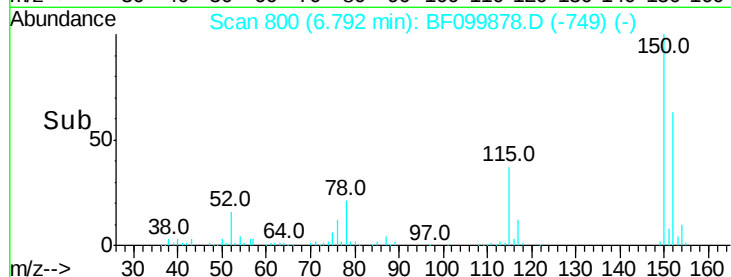
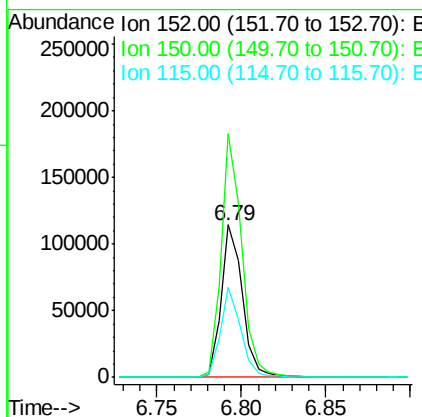
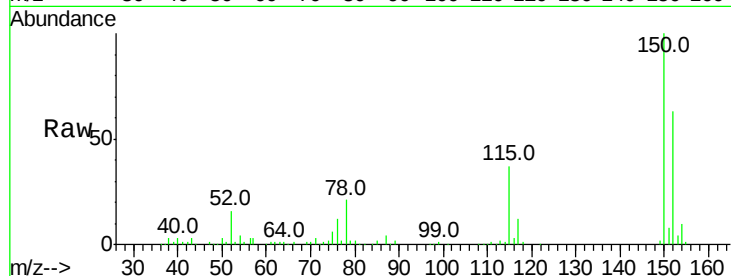
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	59.2	50.1	75.1

Manual Integrations
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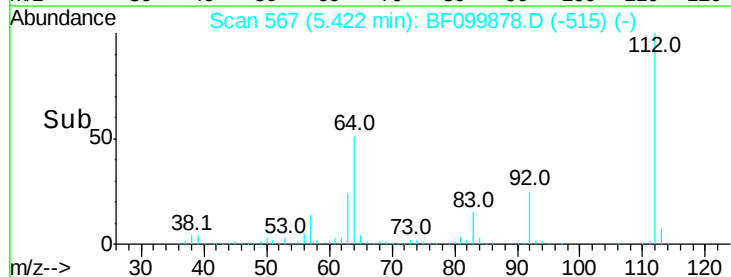
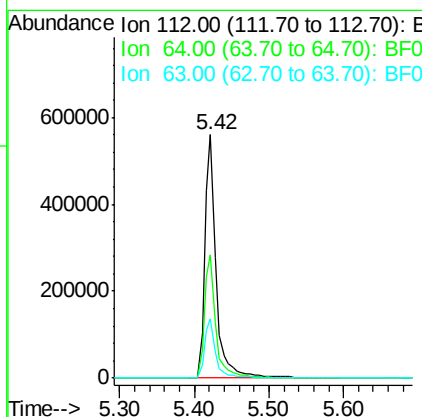
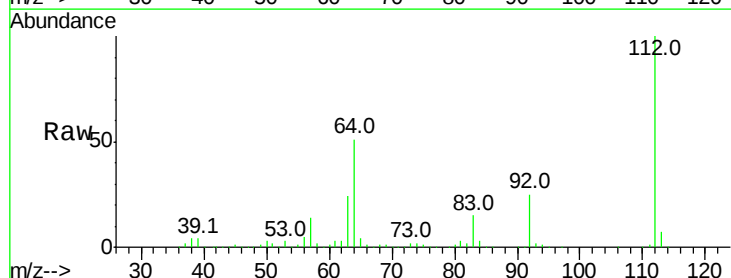
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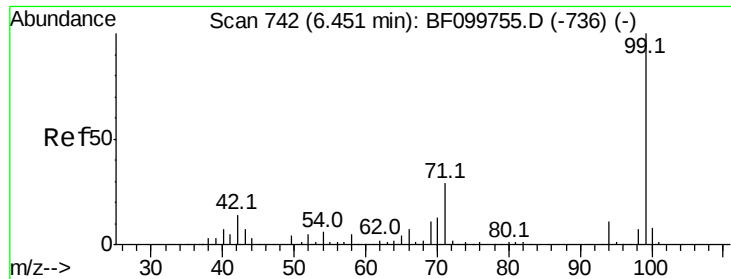


#5

2-Fluorophenol
Concen: 93.288 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.9	47.9	71.9
63	24.4	23.7	35.5





#7

Phenol-d6

Concen: 95.800 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099878.D

Acq: 27 Oct 2017 15:39

Instrument :

BNA_F

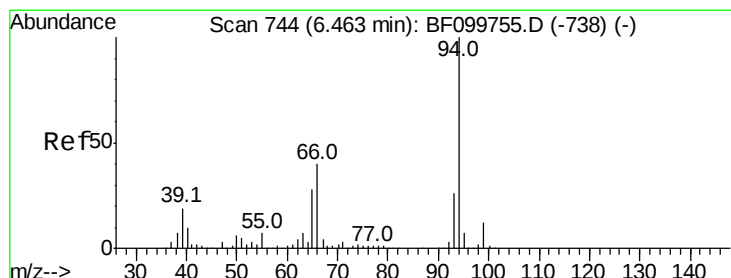
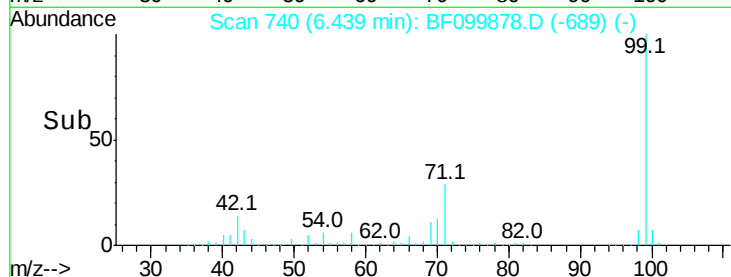
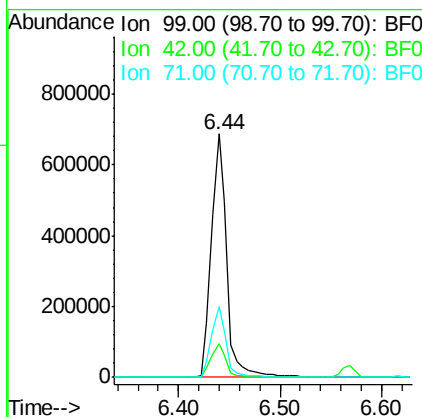
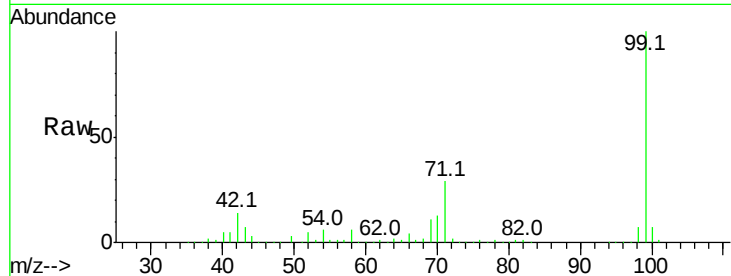
ClientSampleId :

5-MARION26KV-(2-3)

Tot Ion:	99	Resp:	725758
Ion Ratio	Lower	Upper	
99	100		
42	14.1	14.5	21.7#
71	29.3	25.4	38.0

Manual Integrations
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#10

Phenol

Concen: 5.086 ng

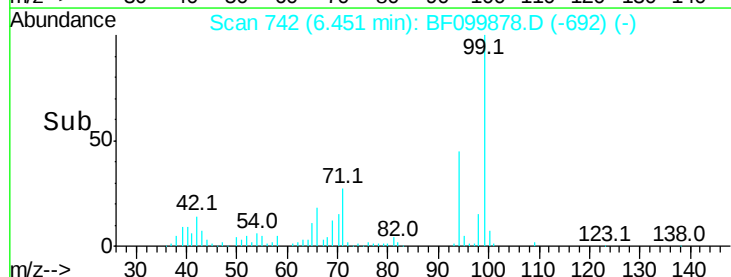
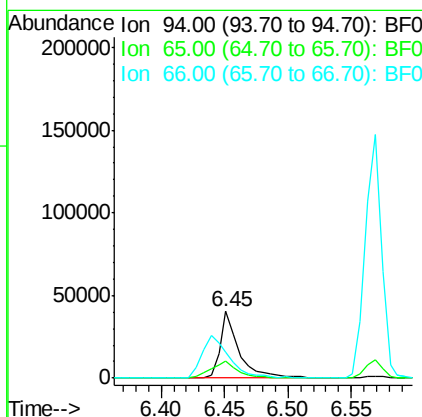
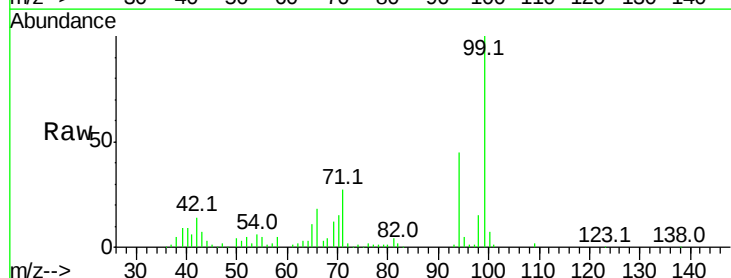
RT: 6.45 min Scan# 742

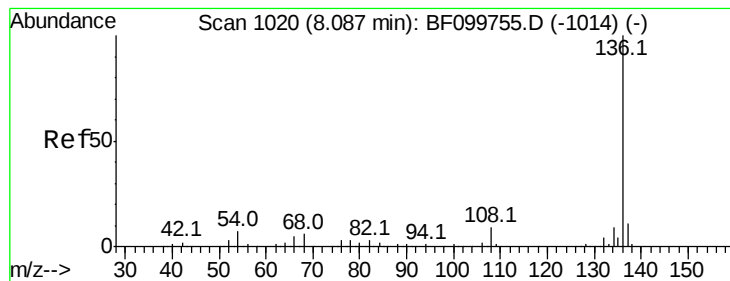
Delta R.T. -0.01 min

Lab File: BF099878.D

Acq: 27 Oct 2017 15:39

Tgt Ion:	94	Resp:	42301
Ion Ratio	Lower	Upper	
94	100		
65	25.0	7.9	47.9
66	39.3	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF099878.D

Acq: 27 Oct 2017 15:39

Instrument :

BNA_F

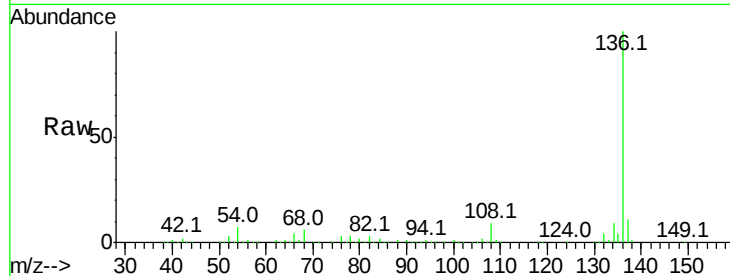
ClientSampleId :

5-MARION26KV-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	417346		
137	11.0	8.9	13.3	
54	6.8	6.6	9.8	
68	6.0	5.0	7.4	

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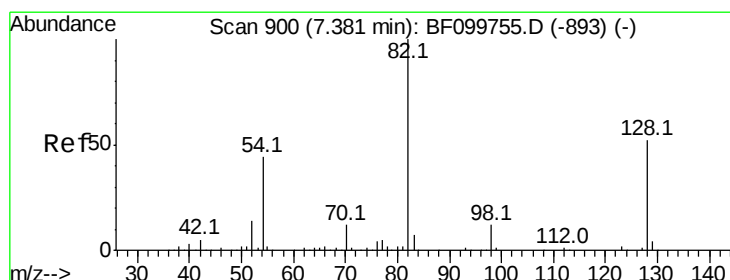
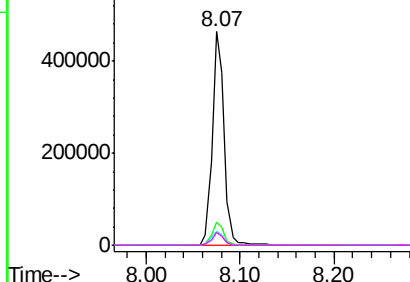
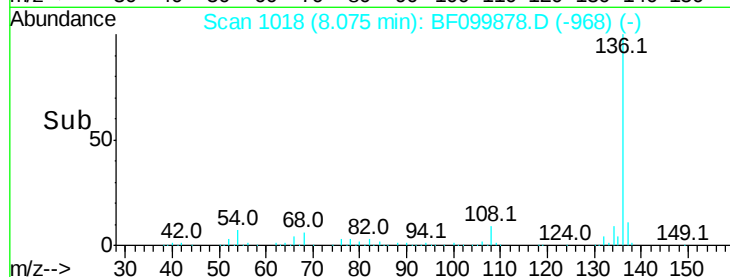


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 66.509 ng

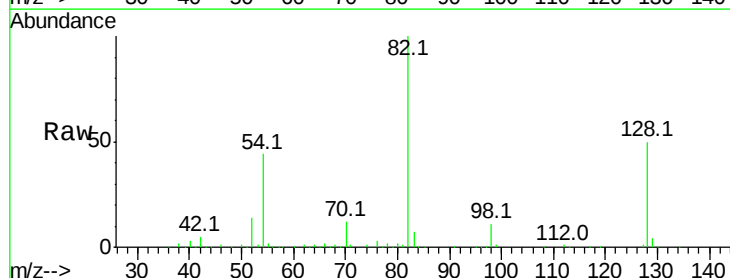
RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF099878.D

Acq: 27 Oct 2017 15:39

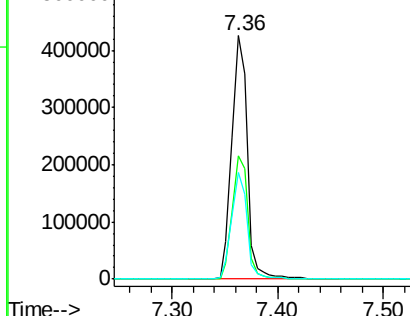
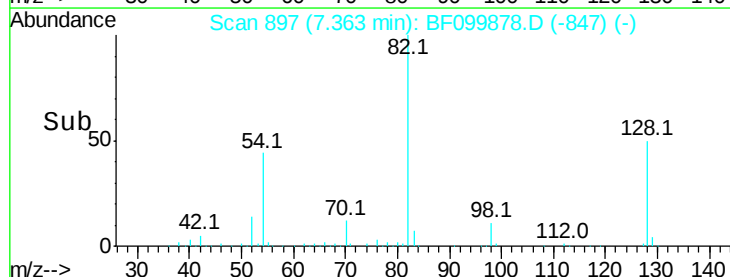
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	431142		
128	50.4	36.1	54.1	
54	43.8	41.4	62.2	

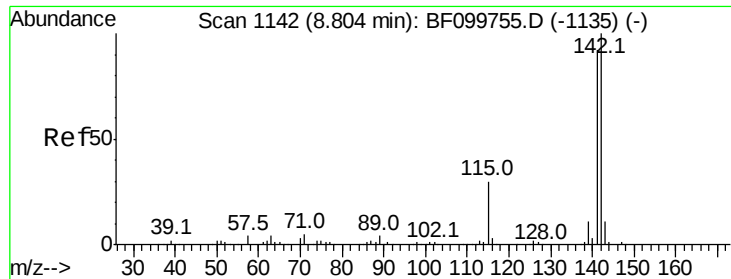


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





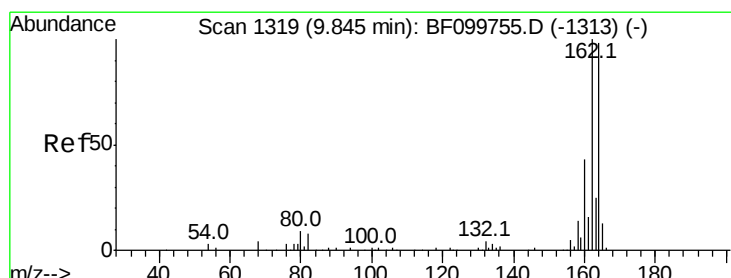
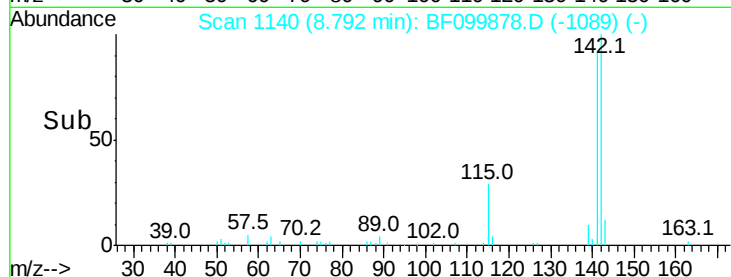
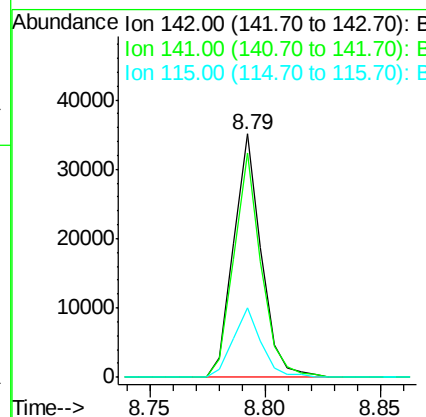
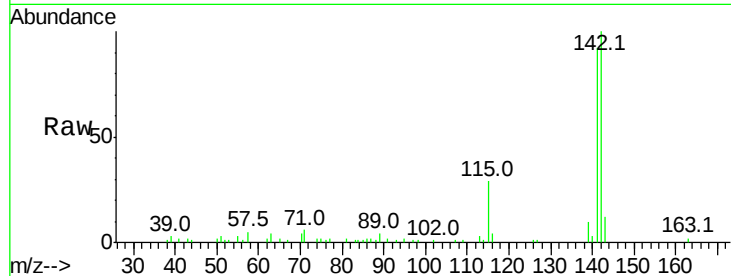
#37
2-Methylnaphthalene
Concen: 2.179 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.3	70.8	106.2
115	28.6	26.1	39.1

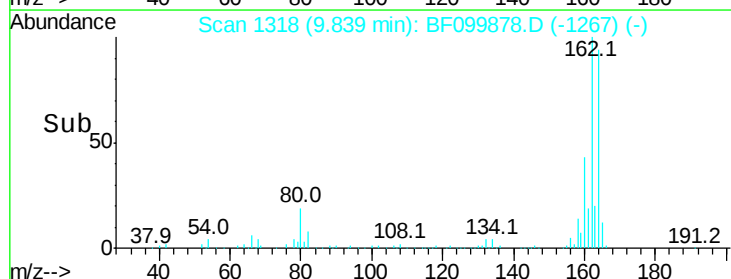
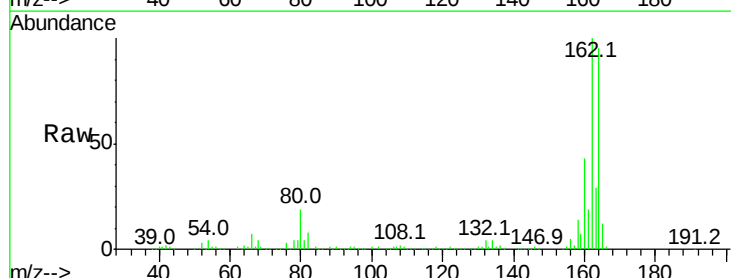
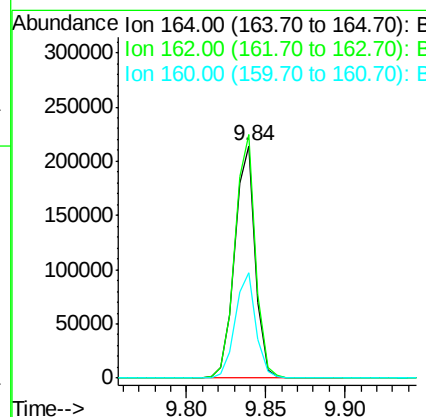
Manual Integrations
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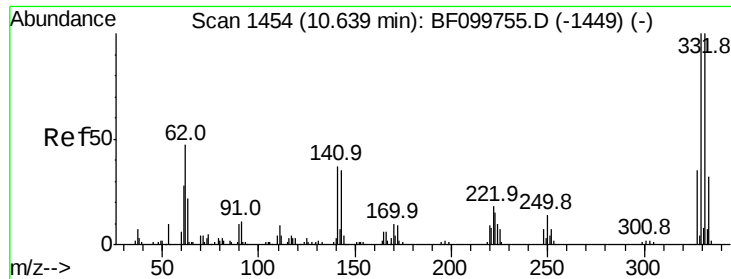
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.5	38.3	57.5





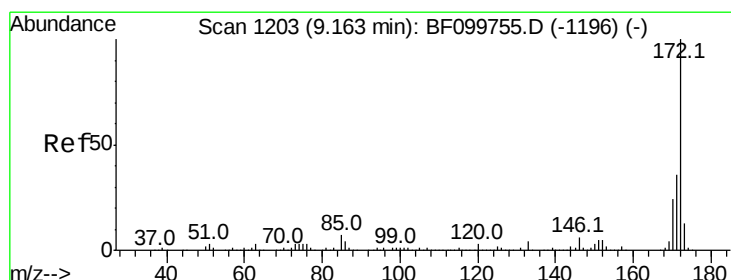
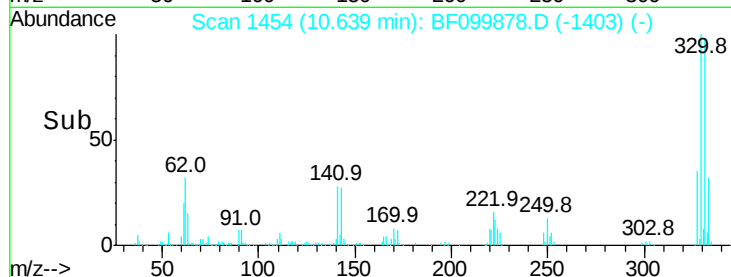
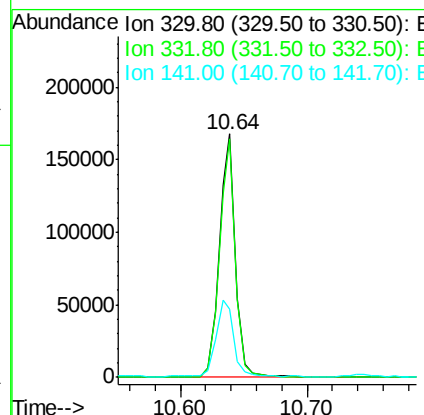
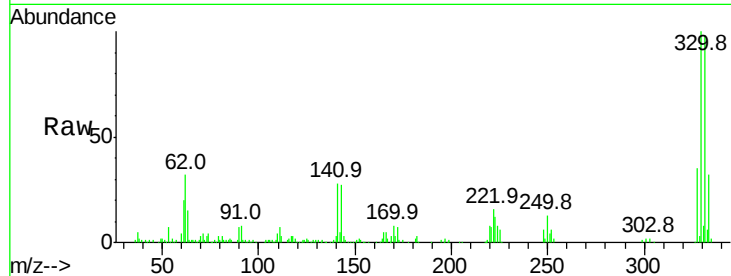
#41
 2,4,6-Tribromophenol
 Concen: 85.986 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099878.D
 Acq: 27 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 5-MARION26KV-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	150564		
332	96.9	77.0	115.6	
141	33.9	29.9	44.9	

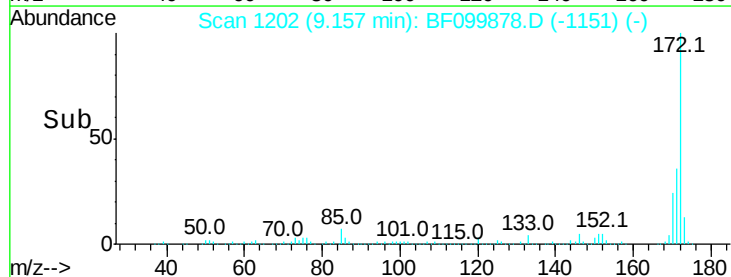
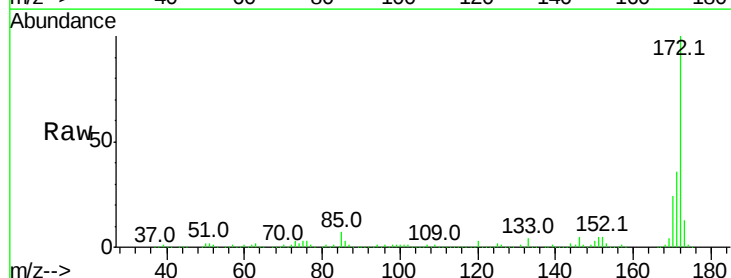
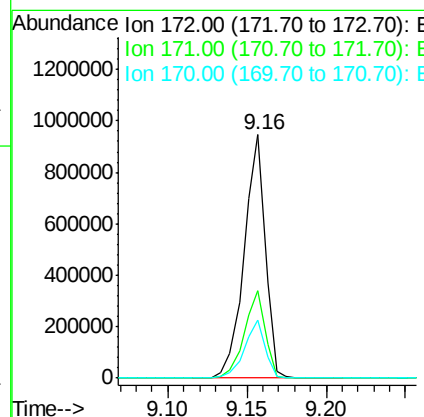
Manual Integrations
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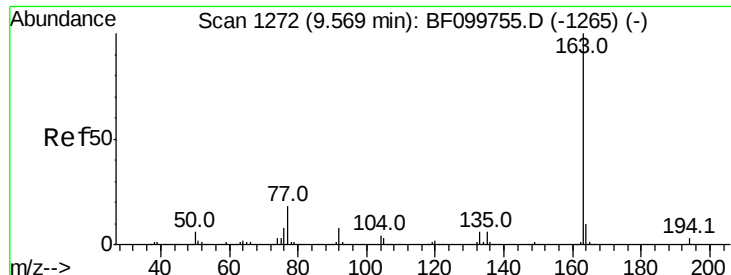
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#44
 2-Fluorobiphenyl
 Concen: 70.040 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF099878.D
 Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	872258		
171	35.7	29.7	44.5	
170	23.6	19.6	29.4	





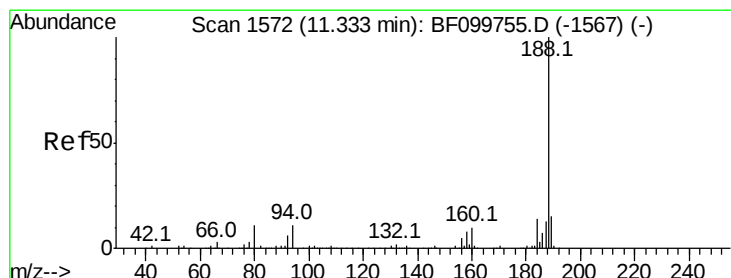
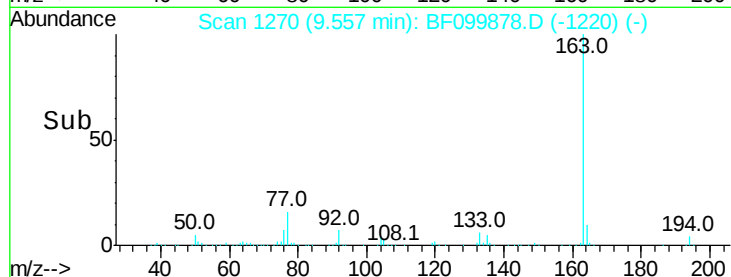
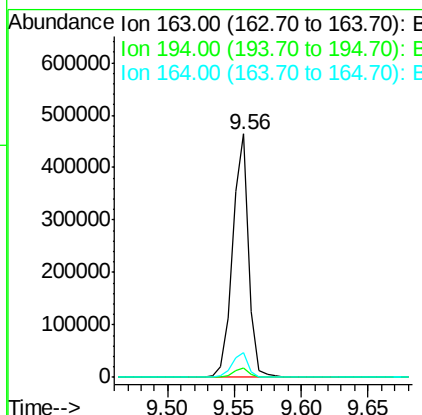
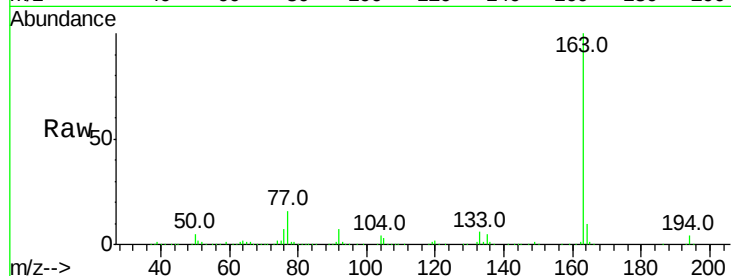
#49
Dimethylphthalate
Concen: 25.632 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2

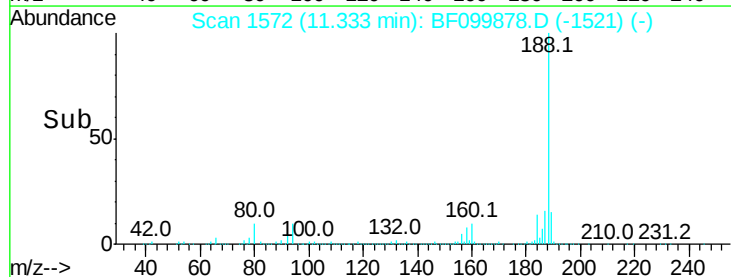
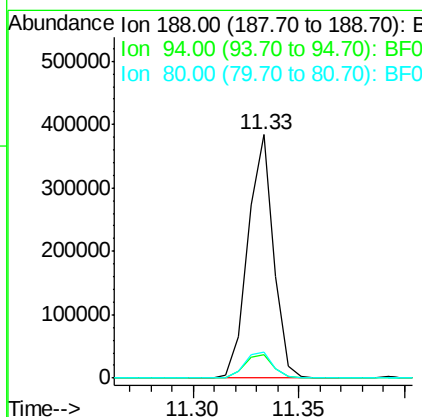
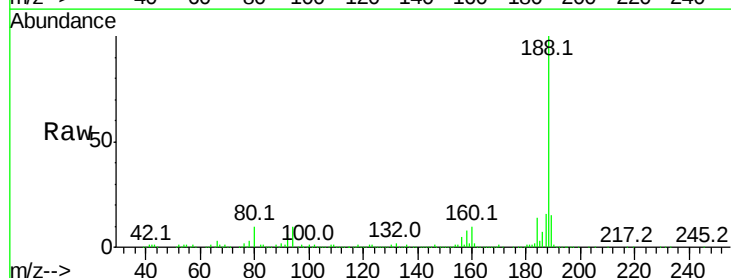
Manual Integrations
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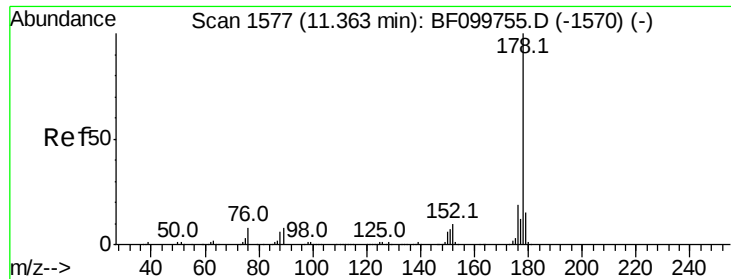
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8





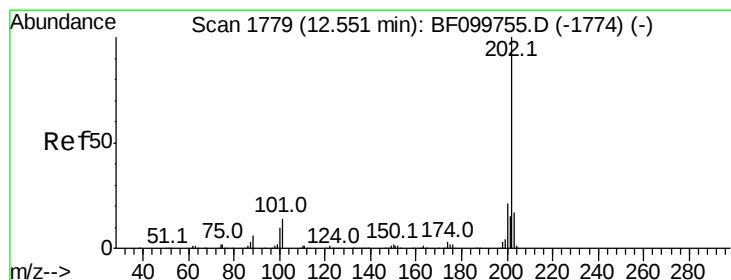
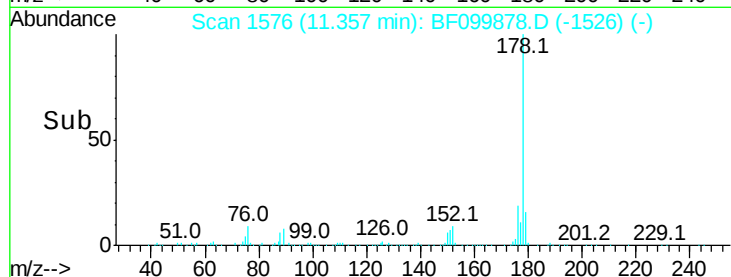
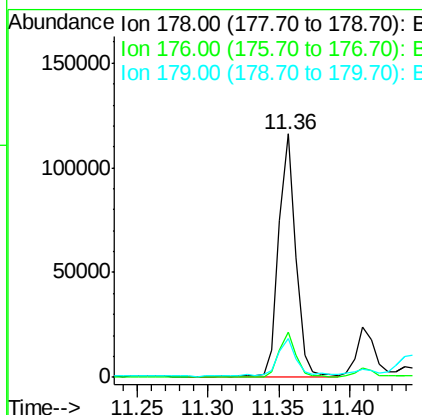
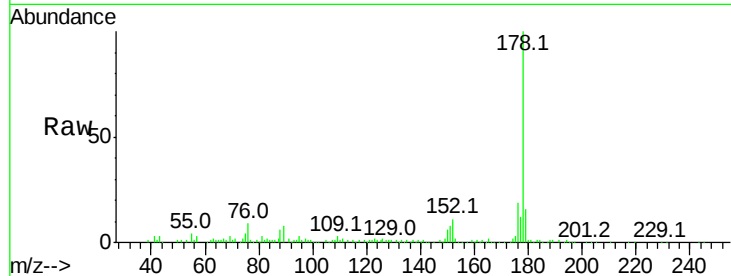
#70
Phenanthrene
Concen: 5.541 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.9	13.0	19.6

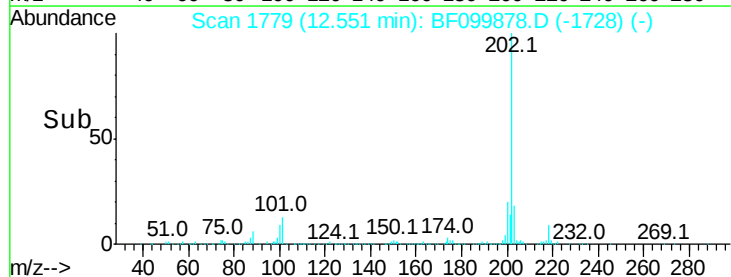
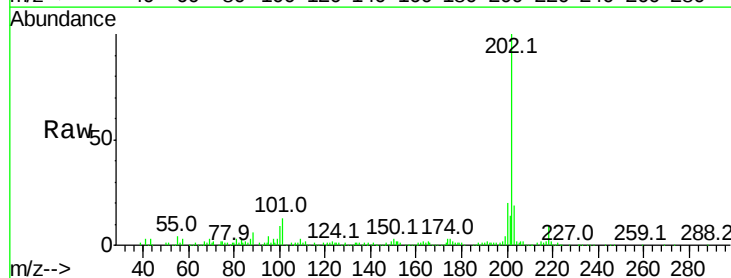
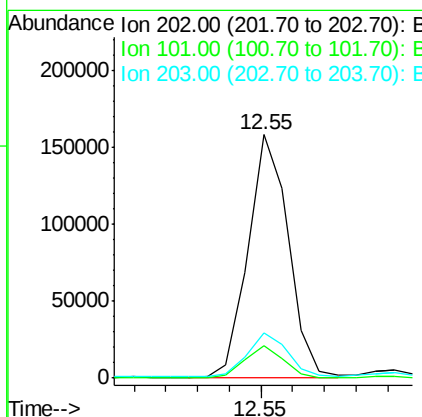
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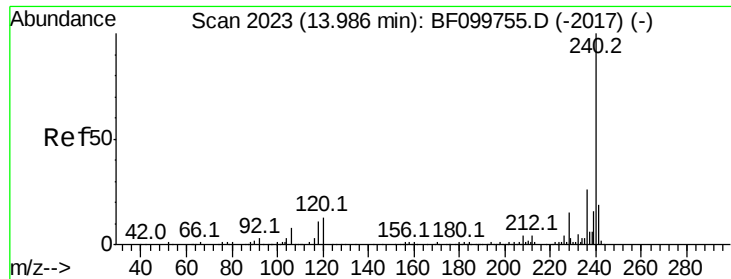
Sohil
10/30/2017 6:16:27 PM



#74
Fluoranthene
Concen: 7.329 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099878.D

Acq: 27 Oct 2017 15:39

Instrument :

BNA_F

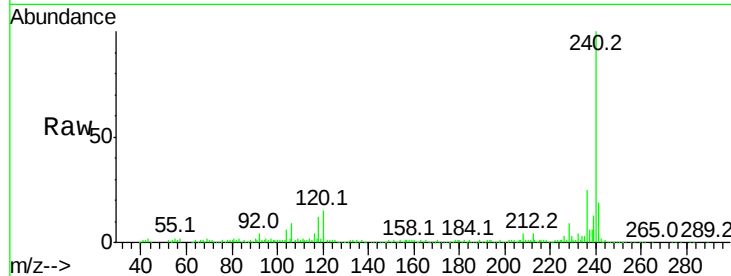
ClientSampleId :

5-MARION26KV-(2-3)

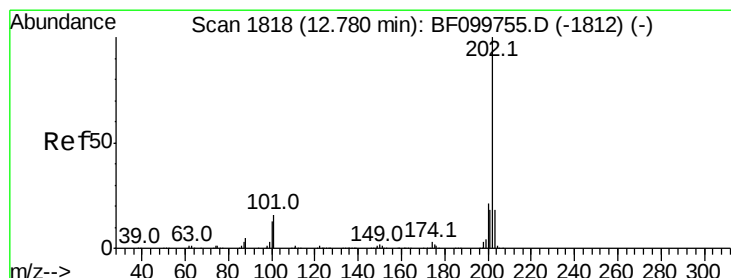
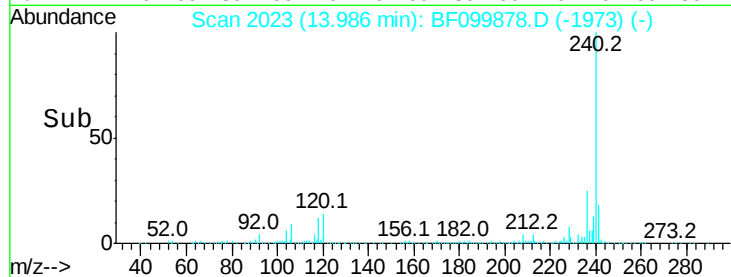
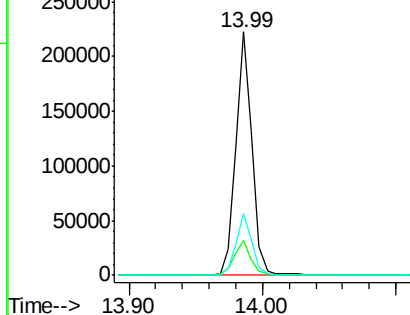
Tot Ion:	240	Resp:	189023
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	25.4	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.547 ng

RT: 12.78 min Scan# 1818

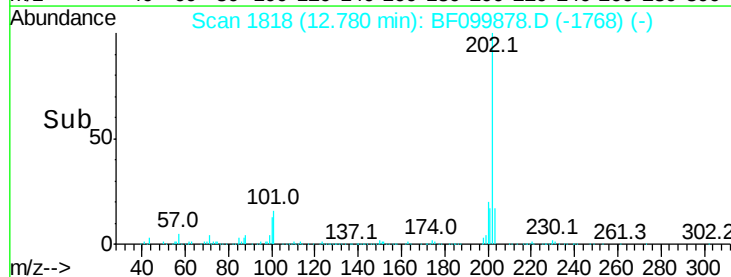
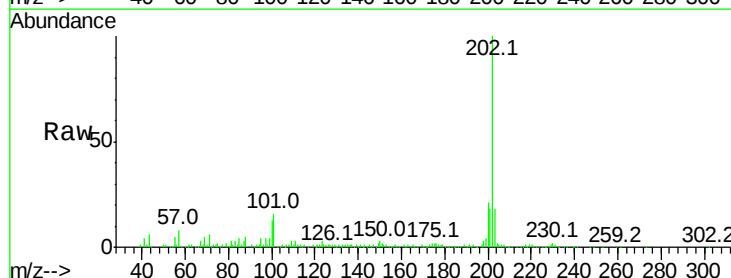
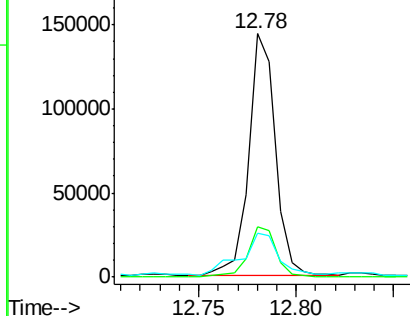
Delta R.T. -0.01 min

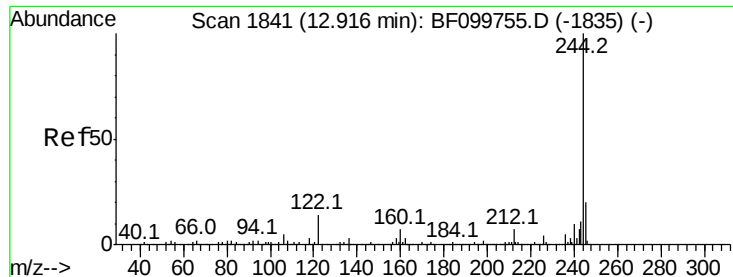
Lab File: BF099878.D

Acq: 27 Oct 2017 15:39

Tgt Ion:	202	Resp:	137218
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	18.1	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





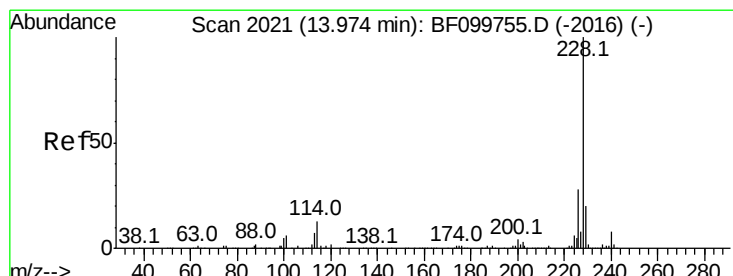
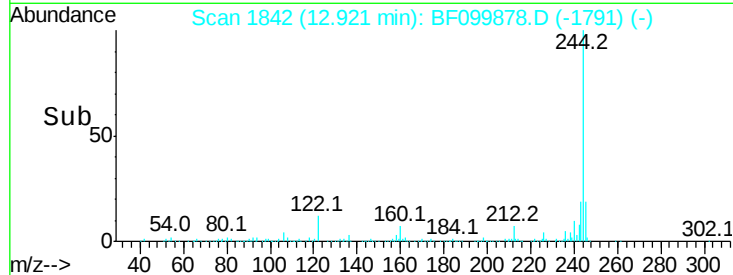
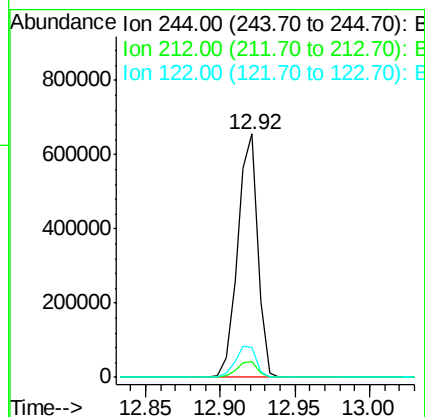
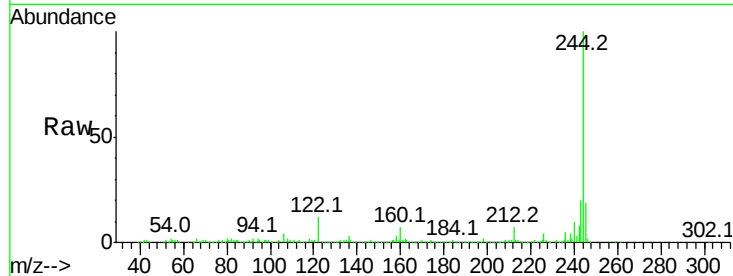
#78
 Terphenyl-d14
 Concen: 71.757 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF099878.D
 Acq: 27 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 5-MARION26KV-(2-3)

Tot Ion:244	Resp:	620660
Ion Ratio	Lower	Upper
244	100	
212	6.7	5.4 8.0
122	12.4	11.0 16.4

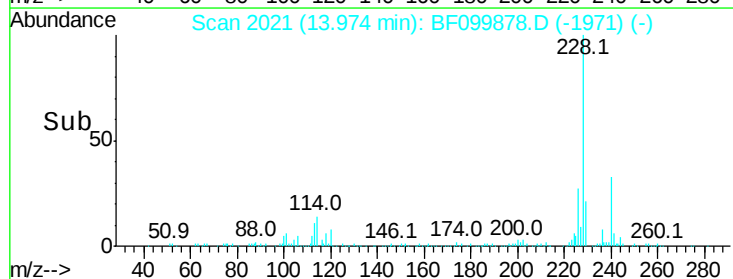
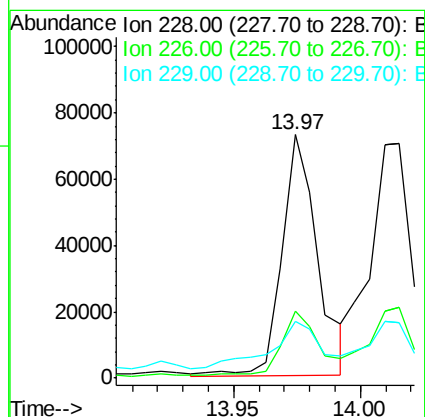
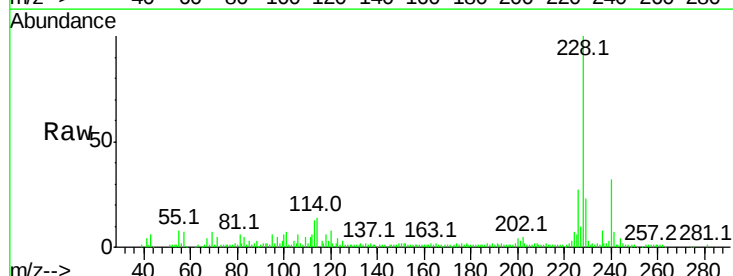
Manual Integrations
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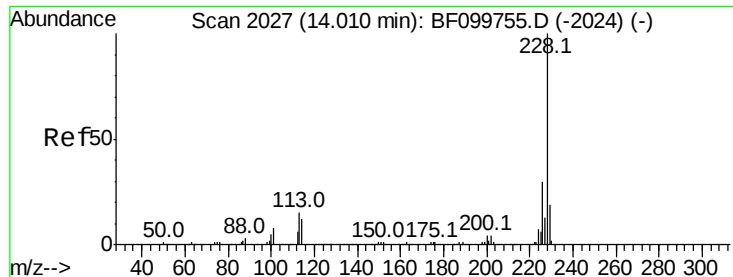
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#80
 Benzo(a)anthracene
 Concen: 5.954 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF099878.D
 Acq: 27 Oct 2017 15:39

Tgt Ion:228	Resp:	71350
Ion Ratio	Lower	Upper
228	100	
226	27.4	22.6 33.8
229	23.3	15.8 23.6





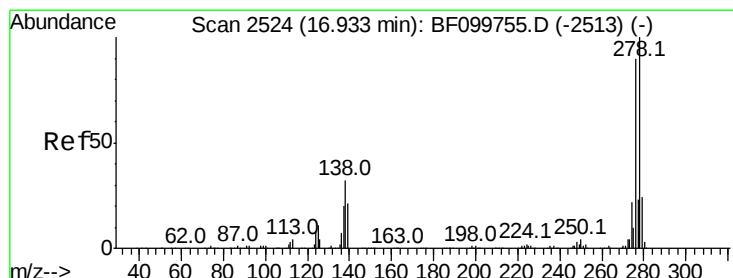
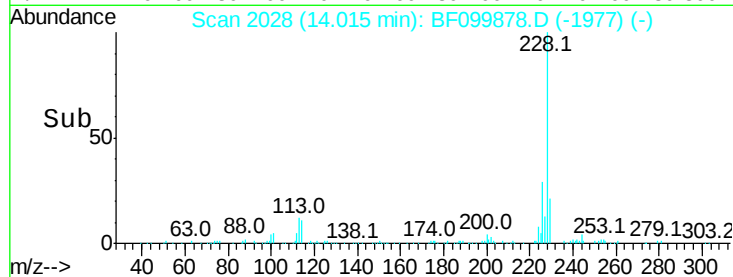
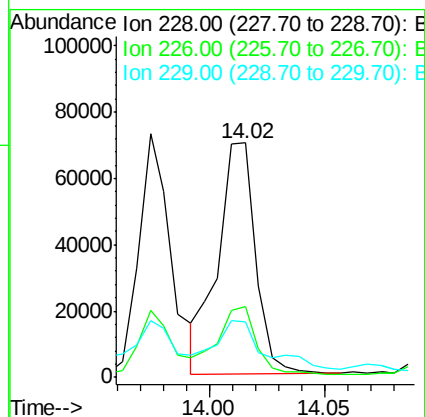
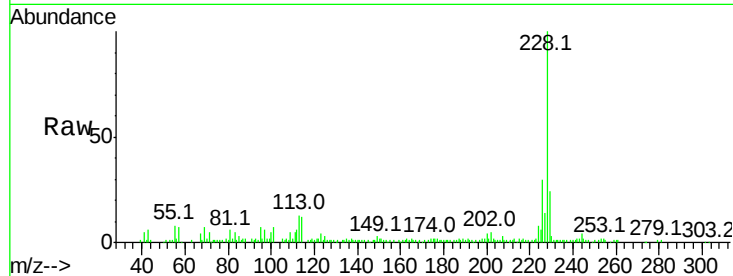
#82
Chrysene
Concen: 7.073 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	23.9	16.2	24.4

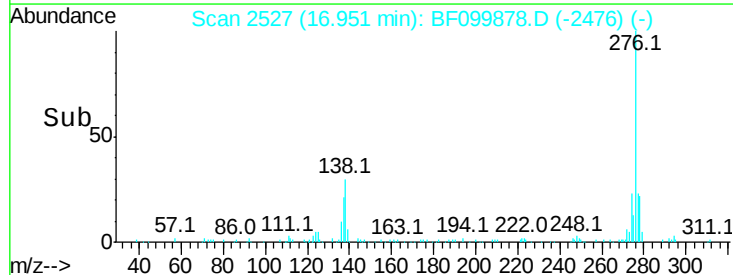
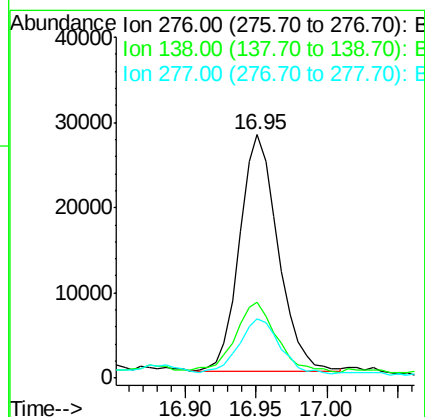
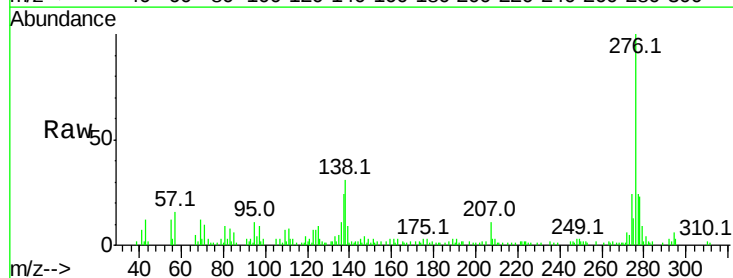
Manual Integrations
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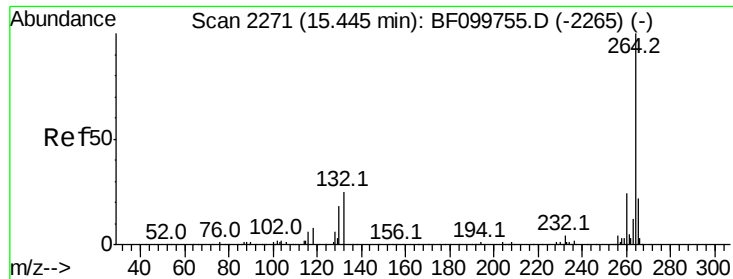
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.097 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	26.1	20.1	30.1





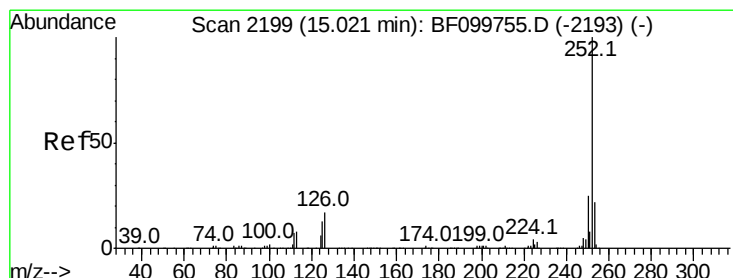
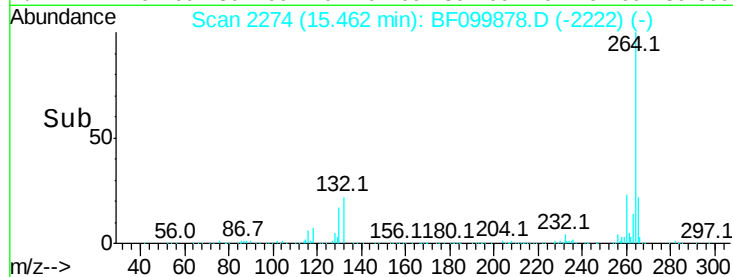
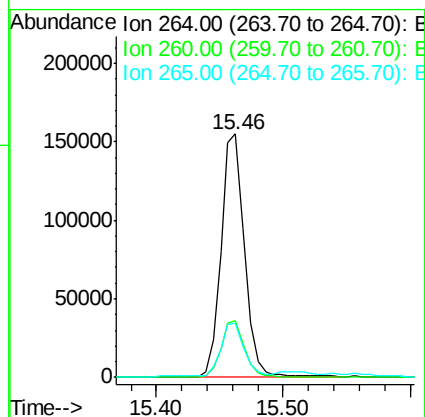
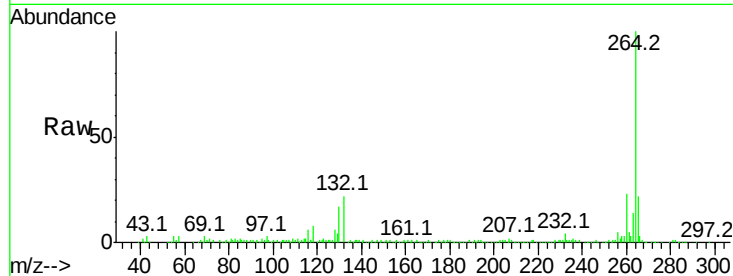
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	17.5	26.3

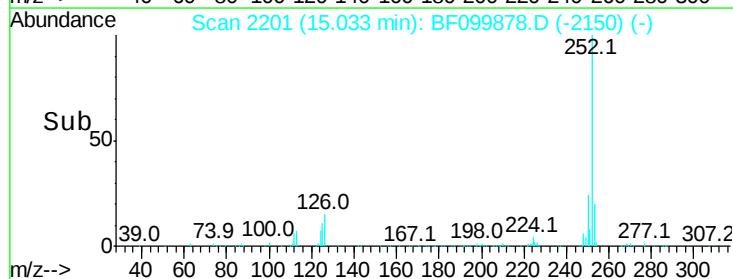
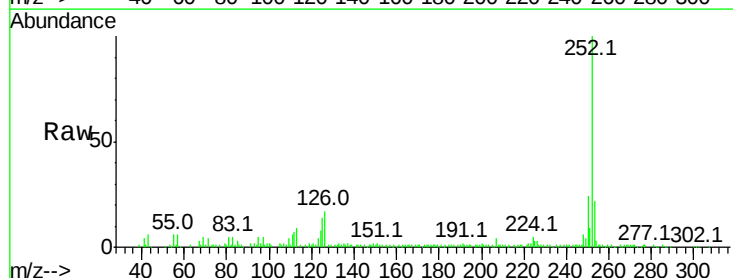
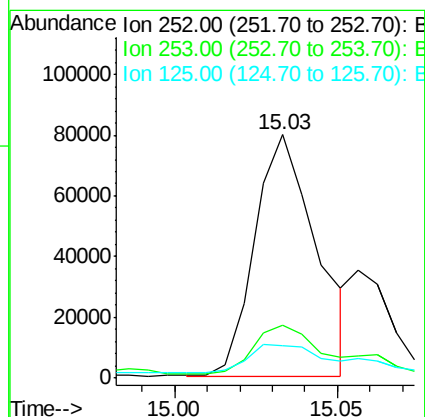
Manual Integrations
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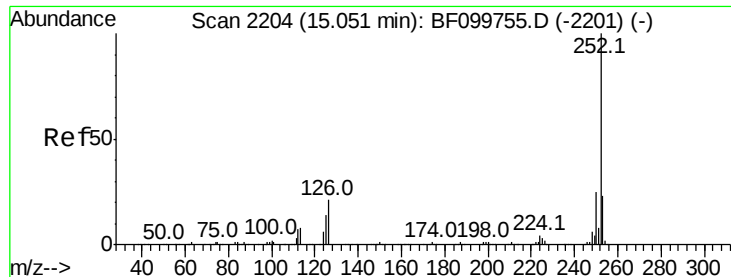
Sohil
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#87
Benzo(b)fluoranthene
Concen: 8.296 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	13.5	9.0	13.6





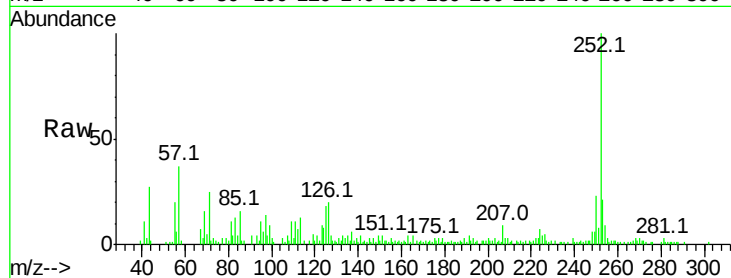
#88
Benzo(k)fluoranthene
Concen: 2.589 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

Instrument :
BNA_F
ClientSampleId :
5-MARION26KV-(2-3)

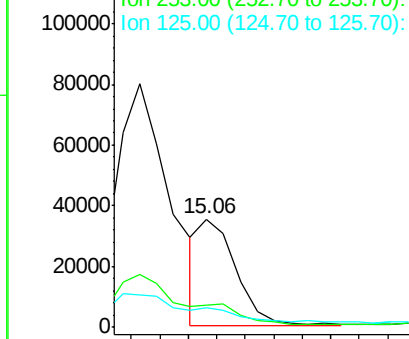
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	17.8	10.2	15.2

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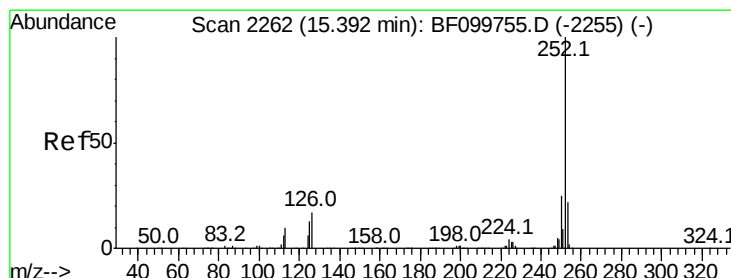
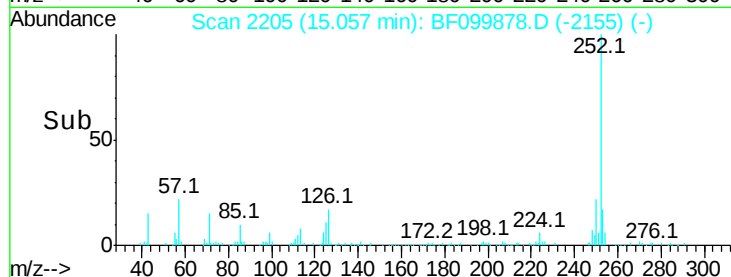
Sohil
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

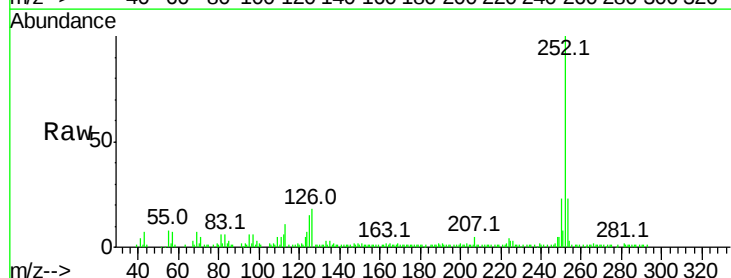


Time-->

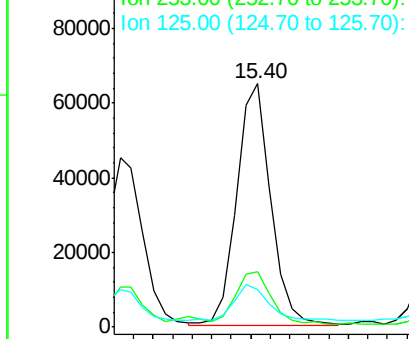


#89
Benzo(a)pyrene
Concen: 6.871 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF099878.D
Acq: 27 Oct 2017 15:39

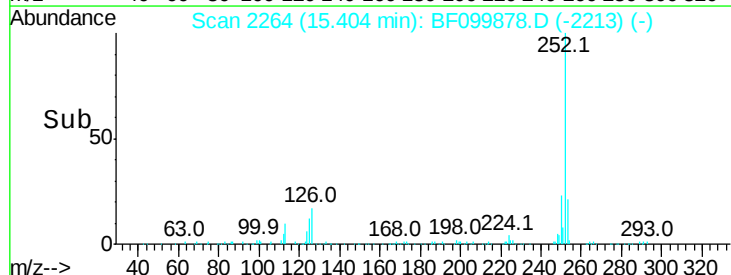
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	15.2	9.8	14.6

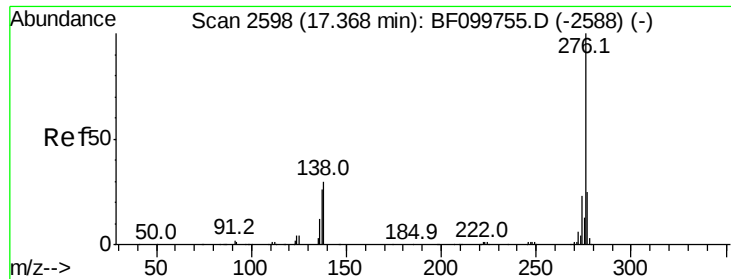


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91
 Benzo(a,h,i)perylene
 Concen: 5.619 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.01 min
 Lab File: BF099878.D
 Acq: 27 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 5-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	32.5	21.8	32.8

Manual Integrations
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